

CRACKING DIE ASSEMBLY FOR
HIGH PRODUCTION NUTCRACKING APPARATUS

ABSTRACT OF THE DISCLOSURE

A cracking die assembly which is adapted for use in
5 a high production nutcracking apparatus of the type
wherein a nut is held between an anvil and a cracking
die, and a shuttle then impacts against the rearward end
face of the cracking die to sharply advance the cracking
die and thereby crack the shell of the nut. The cracking
10 die assembly includes a mounting sleeve having a bore
with an internal shoulder, and a tubular retainer mounted
within a portion of the sleeve bore so as to engage the
shoulder of the sleeve. An annular gasket is fixedly
mounted in the bore of the retainer, and the cracking die
15 has a radial flange which is positioned to lie between
the shoulder in the bore of the sleeve, and the gasket.
Also, the gasket and radial flange have conforming
surfaces which engage when the cracking die is impacted
by the shuttle, and the gasket is free to radially expand
20 to absorb a portion of the impacting force of the
shuttle.

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